```xml
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE XmlRoot SYSTEM "config.dtd">
<XmlRoot>
        <Configuration>
                <IniFile Id="c:\program files\qualcomm\eudora mail\eudora.ini">
                        <IniSection Id="Settings">
                                <IniProp Id="UsesIMAP">1</IniProp>
                                <IniProp Id="UsesPOP">0</IniProp>
                                <IniProp Id="ReturnAddress">geowash@isp_online.com</IniProp>
                                <IniProp Id="LoginName">geowash</IniProp>
                                <IniProp Id="PopServer">isp_online.com</IniProp>
                                <IniProp Id="POPAccount">geowash@isp_online.com</IniProp>
                                <IniProp Id="RealName">George Washington</IniProp>
                                <IniProp Id="SMTPServer">isp_online.com</IniProp>
                                <IniProp Id="SavePassword">1</IniProp>
                                <IniProp Id="ShowTipOfTheDay">0</IniProp>
                                <IniProp Id="UserSignatures">1</IniProp>
                                <IniProp Id="WarnDefaultMailto">0</IniProp>
                                <IniProp Id="AccountDir">Dominant</IniProp>
                                <IniProp Id="Signature">Standard</IniProp>
                                <IniProp Id="AuthenticatePassword">0</IniProp>
                                <IniProp Id="AuthenticateAPOP">1</IniProp>
                        </IniSection>
                        <IniSection Id="DirectoryServices">
                                <IniProp Id="LDAP:LDAP at isp_online.com">1</IniProp>
                        </IniSection>
                </IniFile>
                <Reg>
                        <RegKey Id="Software\Qualcomm\Shared\DirServices\Drivers\{9D459211-E75E-11D0-885A-00805F8A0D74}">
                                <RegKey Id="LDAP--10">
                                        <RegProp Id=".Port" Type="REG_DWORD">85010000</RegProp>
                                        <RegProp Id=".SearchBase">c=US</RegProp>
                                        <RegProp Id=".UserSrvName">LDAP at isp_online.com</RegProp>
                                </RegKey>
                                <RegKey Id="LDAP--Servers">
                                        <RegProp Id="LDAP--10">isp_online.com</RegProp>
                                </RegKey>
                        </RegKey>
                </Reg>
                <!-- Outlook Express 4 Configuration -->
                <Reg>
                        <!-- Accounts Cleanup -->
                        <RegKey Act="D" Id="Software\Microsoft\Internet Account Manager\Accounts"/>
                        <RegKey Id="Software\Microsoft">
                                <RegKey Id="Outlook Express">
                                        <RegProp Id="Username">geowash</RegProp>
                                        <RegProp Type="REG_DWORD" Id="Migration Done">01000000</RegProp>
                                        <RegKey Id="Mail">
                                                <RegProp Type="REG_DWORD" Id="Welcome Message">00000000</RegProp>
                                                <RegProp Type="REG_DWORD" Id="No Check Default">01000000</RegProp>
                                        </RegKey>
                                        <RegKey Id="News">
                                                <RegProp Type="REG_DWORD" Id="No Check Default">01000000</RegProp>
                                        </RegKey>
                                </RegKey>
                                <RegKey Id="Internet Connection Wizard">
                                        <RegProp Id="Completed" Type="REG_DWORD">01000000</RegProp>
                                </RegKey>
                                <RegKey Id="Internet Account Manager">
                                        <RegProp Id="Default News Account">NEWS at isp_online.com</RegProp>
                                        <RegProp Id="Default Mail Account">POP3 at isp_online.com</RegProp>
                                </RegKey>
                                <RegKey Id="Active Setup\Installed Components\{44BBA840-CC51-11CF-AAFA-00AA00B6015C}">
                                        <RegProp Id="Username">geowash</RegProp>
                                </RegKey>
                        </RegKey>
                </Reg>
                <!-- POP3 Account Configuration -->
                <Reg>
                        <RegKey Id="Software\Microsoft\Internet Account Manager\Accounts\POP3 at isp_online.com">
```

```xml
                    <RegProp Id="Account Name">POP3 at isp_online.com</RegProp>
                    <RegProp Id="POP3 User Name">geowash</RegProp>
                    <RegProp Id="POP3 Server">isp_online.com</RegProp>
                    <RegProp Id="SMTP Server">isp_online.com</RegProp>
                    <RegProp Id="SMTP Email Address">geowash@isp_online.com</RegProp>
                    <RegProp Id="SMTP Organization Name">Office of the President</RegProp>
                    <RegProp Id="SMTP Display Name">George Washington</RegProp>
            </RegKey>
</Reg>
<!-- NEWS Account Configuration -->
<Reg>
            <RegKey Id="Software\Microsoft\Internet Account Manager\Accounts\NEWS at isp_online.com">
                    <RegProp Id="Account Name">NEWS at isp_online.com</RegProp>
                    <RegProp Id="NNTP User Name">geowash</RegProp>
                    <RegProp Id="NNTP Server">isp_online.com</RegProp>
                    <RegProp Id="NNTP Email Address">geowash@isp_online.com</RegProp>
                    <RegProp Id="NNTP Organization Name">Office of the President</RegProp>
                    <RegProp Id="NNTP Display Name">George Washington</RegProp>
            </RegKey>
</Reg>
<!-- LDAP Account Configuration -->
<Reg>
            <RegKey Id="Software\Microsoft\Internet Account Manager\Accounts\LDAP at isp_online.com">
                    <RegProp Id="Account Name">LDAP at isp_online.com</RegProp>
                    <RegProp Id="LDAP Server">isp_online.com</RegProp>
                    <RegProp Id="LDAP Logo">C:\intermaker\logo.bmp</RegProp>
                    <RegProp Id="LDAP URL">http://www.isp_online.com</RegProp>
                    <RegProp Id="LDAP Port" Type="REG_DWORD">85010000</RegProp>
                    <RegProp Id="LDAP Server ID" Type="REG_DWORD">01000000</RegProp>
            </RegKey>
</Reg>
<!-- IMAP Account Configuration -->
<Reg>
            <RegKey Id="Software\Microsoft\Internet Account Manager\Accounts\IMAP at isp_online.com">
                    <RegProp Id="Account Name">IMAP at isp_online.com</RegProp>
                    <RegProp Id="IMAP User Name">geowash</RegProp>
                    <RegProp Id="IMAP Server">isp_online.com</RegProp>
                    <RegProp Id="SMTP Server">isp_online.com</RegProp>
                    <RegProp Id="SMTP Email Address">geowash@isp_online.com</RegProp>
                    <RegProp Id="SMTP Organization Name">Office of the President</RegProp>
                    <RegProp Id="SMTP Display Name">George Washington</RegProp>
            </RegKey>
</Reg>
<MapiProfileList>
            <MapiProfile Act="D" Id="Microsoft Outlook Internet Settings"/>
            <MapiProfile Default="True" Id="Microsoft Outlook Internet Settings">
                    <!-- Microsoft Outlook98 Client-->
                    <MapiSection Id="0A0D020000000000C000000000000046"/>
                    <MapiService Id="INTERSTOR" Retry="True"/>
            </MapiProfile>
</MapiProfileList>
<!-- Microsoft Outlook98 Client Registry-->
<Reg>
            <RegKey Id="Software\Microsoft\Office\8.0\Outlook\OMI Account Manager">
                    <RegProp Id="Default LDAP Account">LDAP at isp_online.com</RegProp>
                    <RegProp Id="Default Mail Account">POP3 at isp_online.com</RegProp>
            </RegKey>
</Reg>
<!-- POP3 Account Configuration -->
<Reg>
            <RegKey Id="Software\Microsoft\Office\8.0\Outlook\OMI Account Manager\Accounts\POP3 at isp_online.com">
                    <RegProp Id="Account Name">POP3 at isp_online.com</RegProp>
                    <RegProp Id="POP3 User Name">geowash</RegProp>
                    <RegProp Id="POP3 Server">isp_online.com</RegProp>
                    <RegProp Id="SMTP Server">isp_online.com</RegProp>
                    <RegProp Id="SMTP Email Address">geowash@isp_online.com</RegProp>
                    <RegProp Id="SMTP Organization Name">Office of the President</RegProp>
                    <RegProp Id="SMTP Display Name">George Washington</RegProp>
            </RegKey>
</Reg>
```

```xml
<!-- LDAP Account Configuration -->
<Reg>
    <RegKey Id="Software\Microsoft\Office\8.0\Outlook\OMI Account Manager\Accounts\LDAP at isp_online.com">
        <RegProp Id="Account Name">LDAP at isp_online.com</RegProp>
        <RegProp Id="LDAP Server">isp_online.com</RegProp>
        <RegProp Id="LDAP Logo">C:\intermaker\logo.bmp</RegProp>
        <RegProp Id="LDAP URL">http://www.isp_online.com</RegProp>
        <RegProp Id="LDAP Port" Type="REG_DWORD">85010000</RegProp>
        <RegProp Id="LDAP Server ID" Type="REG_DWORD">01000000</RegProp>
    </RegKey>
</Reg>
<!-- IMAP Account Configuration -->
<Reg>
    <RegKey Id="Software\Microsoft\Office\8.0\Outlook\OMI Account Manager\Accounts\IMAP at isp_online.com">
        <RegProp Id="Account Name">IMAP at isp_online.com</RegProp>
        <RegProp Id="IMAP User Name">geowash</RegProp>
        <RegProp Id="IMAP Server">isp_online.com</RegProp>
        <RegProp Id="SMTP Server">isp_online.com</RegProp>
        <RegProp Id="SMTP Email Address">geowash@isp_online.com</RegProp>
        <RegProp Id="SMTP Organization Name">Office of the President</RegProp>
        <RegProp Id="SMTP Display Name">George Washington</RegProp>
    </RegKey>
</Reg>
<NsProfileList File="False">
    <NsProfile Id="default" Act="D" Path="C:\Program Files\Netscape\Users\default"/>
    <NsProfile Id="geowash" Act="R" Path="C:\Program Files\Netscape\Users\geowash">
        <NsProp Id="browser.wfe.ignore_def_check" Type="NS_BOOLEAN">true</NsProp>
        <!--Identity-->
        <NsProp Id="mail.identity.organization">Office of the President</NsProp>
        <NsProp Id="mail.identity.reply_to">geowash@isp_online.com</NsProp>
        <NsProp Id="mail.identity.useremail">geowash@isp_online.com</NsProp>
        <NsProp Id="mail.identity.username">George Washington</NsProp>
        <!--SMTP-->
        <NsProp Id="mail.smtp_name">geowash</NsProp>
        <NsProp Id="network.hosts.smtp_server">isp_online.com</NsProp>
        <!--The following property determines the type of mail account; 0=POP3(1) or 1=IMAP(1):-->
        <NsProp Id="mail.server_type" Type="NS_INTEGER">0</NsProp>
        <!--POP3-->
        <NsProp Id="mail.check_new_mail" Type="NS_BOOLEAN">true</NsProp>
        <NsProp Id="mail.delete_mail_left_on_server" Type="NS_BOOLEAN">false</NsProp>
        <NsProp Id="mail.leave_on_server" Type="NS_BOOLEAN">false</NsProp>
        <NsProp Id="mail.pop_name">geowash</NsProp>
        <NsProp Id="network.hosts.pop_server">isp_online.com</NsProp>
        <NsProp Id="mail.remember_password" Type="NS_BOOLEAN">true</NsProp>
        <!--LDAP-->
        <NsProp Id="ldap_1.number_of_directories" Type="NS_INTEGER">2</NsProp>
        <NsProp Id="ldapList.version" Type="NS_INTEGER">1</NsProp>
        <NsProp Id="ldap_1.directory1.description">Personal Address Book</NsProp>
        <NsProp Id="ldap_1.directory2.description">LDAPatisp_online</NsProp>
        <NsProp Id="ldap_1.directory2.filename">LDAPatisp_online.NAB</NsProp>
        <NsProp Id="ldap_1.directory2.isSecure" Type="NS_BOOLEAN">false</NsProp>
        <NsProp Id="ldap_1.directory2.searchBase">c=US</NsProp>
        <NsProp Id="ldap_1.directory2.serverName">isp_online.com</NsProp>
        <NsProp Id="ldap_1.directory2.maxHits" Type="NS_INTEGER">12</NsProp>
        <NsProp Id="ldap_1.directory2.port" Type="NS_INTEGER">389</NsProp>
        <!--NEWS-->
        <NsProp Id="network.hosts.nntp_server">isp_online.com</NsProp>
    </NsProfile>
</NsProfileList>
</Configuration>
</XmlRoot>
```

```
<!ELEMENT XmlRoot   (Configuration )?>

<!--This element is a directive that requests configuration of applications via
the Windows Messaging Subsystem, Windows Registry, ".INI" files and the
Netscape Profile System.-->
<!--The configured properties are expressed in standard XML format, which is
the output of the Configuration process.-->
<!ELEMENT Configuration   (IniFile | Reg | MapiProfileList | NsProfileList )*>

<!-- About the "Act" attribute:
     Specifies the action to be performed by the configuration process:
     "C" = "Create"
     "R" = "Replace"
     "U" = "Update"
     "D" = "Delete"
-->
<!-- About the "Proc" attribute:
     Specifies the name of the process that,
     if found in the Windows Process List,
     will prevent the configuration the properties in this section.
     This may be neccesary when configuring applications that do not
acknowledge
     properties being set while they are running.
-->

<!--This element is a directive that opens a ".INI" file for writing.-->
<!ELEMENT IniFile   (IniSection )*>
<!ATTLIST IniFile Act    (C | R | U | D )   "U">
<!--the path of the ".INI" file-->
<!ATTLIST IniFile Id    CDATA   #REQUIRED>
<!ATTLIST IniFile Proc CDATA   #IMPLIED>

<!--This element is a directive that opens a ".INI" file section for writing.--
>
<!ELEMENT IniSection   (IniProp )*>
<!ATTLIST IniSection Act    (C | R | U | D )   "U">
<!--the name of the ".INI" file section-->
<!ATTLIST IniSection Id    CDATA   #REQUIRED>
<!ATTLIST IniSection Proc CDATA   #IMPLIED>

<!--This element is a directive that modifies a ".INI" file section property.--
>
<!ELEMENT IniProp   (#PCDATA )>
<!ATTLIST IniProp Act    (C | R | U | D )   "U">
<!--the name of the ".INI" file section property-->
<!ATTLIST IniProp Id    CDATA   #REQUIRED>
<!ATTLIST IniProp Proc CDATA   #IMPLIED>

<!--This element is a directive that opens a Windows Registry root for
writing.-->
<!ELEMENT Reg   (RegKey | RegProp )*>
<!--Windows Registry root key name-->
<!ATTLIST Reg Root    (HKEY_CURRENT_USER |
                       HKEY_LOCAL_MACHINE |
                       HKEY_CLASSES_ROOT |
                       HKEY_USERS |
                       HKEY_CURRENT_CONFIG )   "HKEY_CURRENT_USER">
```

```
<!ATTLIST Reg Proc CDATA  #IMPLIED>

<!--This element is a directive that opens a Windows Registry Key for writing.-
->
<!ELEMENT RegKey  (RegKey | RegProp )*>
<!ATTLIST RegKey Act    (C | R | U | D )  "U">
<!--the path of the Windows Registry Key-->
<!ATTLIST RegKey Id   CDATA  #REQUIRED>
<!ATTLIST RegKey Proc CDATA  #IMPLIED>

<!--This element is a directive that modifies a Windows Registry Property.-->
<!ELEMENT RegProp  (#PCDATA | Value )*>
<!ATTLIST RegProp Act    (C | R | U | D )  "U">
<!--the name of the Windows Registry Property-->
<!ATTLIST RegProp Id   CDATA  #REQUIRED>
<!--the data type of the Windows Registry Property-->
<!ATTLIST RegProp Type  (REG_SZ | REG_EXPAND_SZ | REG_MULTI_SZ | REG_BINARY |
REG_DWORD )  "REG_SZ">

<!--used by the OUTPUT schema only-->
<!ELEMENT Value  (#PCDATA )>

<!--This element is a directive that opens the Windows Messaging Subsystem
(MAPI) for writing.-->
<!ELEMENT MapiProfileList  (MapiProfile )*>
<!--specifes OUTLOOK MAPI ["Microsoft Outlook"] or SYSTEM MAPI [""] will be
used to initialize MAPI-->
<!ATTLIST MapiProfileList Id   CDATA  #IMPLIED>
<!ATTLIST MapiProfileList Proc CDATA  #IMPLIED>

<!--This element is a directive that opens a Windows Messaging Profile for
writing.-->
<!ELEMENT MapiProfile  (MapiService | MapiSection )*>
<!ATTLIST MapiProfile Act      (C | R | U | D )  "U">
<!--the name of the Windows Messaging Profile (current default profile if not
set)-->
<!ATTLIST MapiProfile Id      CDATA    #IMPLIED>
<!--specifies whether or not this Windows Messaging Profile should be set as
"default"-->
<!ATTLIST MapiProfile Default CDATA    "False">
<!ATTLIST MapiProfile Proc    CDATA    #IMPLIED>
<!ATTLIST MapiProfile a-dtype NMTOKENS  "Default boolean">

<!--This element is a directive that opens a Windows Messaging Service for
writing.-->
<!ELEMENT MapiService  (MapiProvider | MapiProp )*>
<!ATTLIST MapiService Act      (C | R | U | D )  "U">
<!--the Display Name of the Windows Messaging Service-->
<!ATTLIST MapiService Id      CDATA    #REQUIRED>
<!--the Service Name of the Windows Messaging Service-->
<!ATTLIST MapiService Name    CDATA    #IMPLIED>
<!--whether or not the "ConfigureMsgService()" MAPI function will be used-->
<!ATTLIST MapiService Config CDATA    "False">
<!--whether or not the configuration should retry after an initial failure-->
<!ATTLIST MapiService Retry   CDATA    "False">
<!ATTLIST MapiService Proc    CDATA    #IMPLIED>
<!ATTLIST MapiService a-dtype NMTOKENS  "Config boolean
```

```
                                    Retry  boolean">

<!--This element is a directive that opens a Windows Messaging Service Provider
for writing.-->
<!ELEMENT MapiProvider  (MapiProp )*>
<!ATTLIST MapiProvider Act        (C | R | U | D )  "U">
<!--the Display Name of the Windows Messaging Service Provider-->
<!ATTLIST MapiProvider Id         CDATA      #IMPLIED>
<!--the Windows Messaging Service Provider type-->
<!ATTLIST MapiProvider Type        (MAPI_TRANSPORT_PROVIDER |
                                    MAPI_AB_PROVIDER |
                                    MAPI_STORE_PROVIDER |
                                    MAPI_HOOK_PROVIDER )
"MAPI_TRANSPORT_PROVIDER">
<!--the Provider Name of the Windows Messaging Service Provider-->
<!ATTLIST MapiProvider Name       CDATA      #IMPLIED>
<!--the offset at which the Windows Messaging Service Provider's Properties can
be set-->
<!ATTLIST MapiProvider Index   CDATA         "00">
<!--whether or not the "CreateProvider()" MAPI function will be used-->
<!ATTLIST MapiProvider Config  CDATA         "False">
<!ATTLIST MapiProvider Proc    CDATA      #IMPLIED>
<!ATTLIST MapiProvider a-dtype NMTOKENS  "Index   int
                                          Config boolean">

<!--This element is a directive that opens a Windows Messaging Section for
writing.-->
<!ELEMENT MapiSection  (MapiProp )*>
<!ATTLIST MapiSection Act   (C | R | U | D )   "U">
<!--the Display Name of the Windows Messaging Section-->
<!ATTLIST MapiSection Id   CDATA  #REQUIRED>
<!ATTLIST MapiSection Proc CDATA  #IMPLIED>

<!--This element is a directive that sets a Windows Messaging Property.-->
<!ELEMENT MapiProp  (#PCDATA | Value )*>
<!--the name of the Windows Messaging Property-->
<!ATTLIST MapiProp Id       CDATA      #REQUIRED>
<!--the data type of the Windows Messaging Property-->
<!ATTLIST MapiProp Type        (PT_BOOLEAN |
                                PT_SHORT |
                                PT_LONG |
                                PT_FLOAT |
                                PT_APPTIME |
                                PT_DOUBLE |
                                PT_LONGLONG |
                                PT_CURRENCY |
                                PT_SYSTIME |
                                PT_UNICODE |
                                PT_STRING8 |
                                PT_BINARY |
                                PT_ERROR |
                                PT_NULL |
                                PT_OBJECT |
                                PT_CLSID )   "PT_STRING8">
<!--whether or not the Windows Messaging Property will be set directly-->
<!ATTLIST MapiProp Direct CDATA        "False">
<!ATTLIST MapiProp Proc    CDATA       #IMPLIED>
```

```
<!ATTLIST MapiProp a-dtype NMTOKENS  "Direct boolean">

<!--This element is a directive that opens the Netscape Profile List for
writing.-->
<!ELEMENT NsProfileList  (NsProfile )*>
<!ATTLIST NsProfileList Proc    CDATA     #IMPLIED>
<!--whether or not Netscape Profile List should be configured via the Netscape
Registry File ["True"] or the Windows Registry ["False"]).-->
<!ATTLIST NsProfileList File    CDATA      "True">
<!ATTLIST NsProfileList a-dtype NMTOKENS  "File boolean">

<!--This element is a directive that opens a Netscape Profile for writing.-->
<!ELEMENT NsProfile  (NsProp )*>
<!ATTLIST NsProfile Act        (C | R | U | D )  "U">
<!--the name of the Netscape Profile-->
<!ATTLIST NsProfile Id      CDATA     #IMPLIED>
<!--whether or not this is the "default" Netscape Profile-->
<!ATTLIST NsProfile Default CDATA      "False">
<!ATTLIST NsProfile Proc    CDATA     #IMPLIED>
<!--whether or not Netscape Profile should be configured via the Netscape
Registry File ["True"] or the Windows Registry ["False"]).-->
<!ATTLIST NsProfile File     CDATA      "True">
<!--the path to the Netscape Profile folder-->
<!ATTLIST NsProfile Path     CDATA     #IMPLIED>
<!ATTLIST NsProfile a-dtype NMTOKENS  "Default boolean
                                       File     boolean">

<!--This element is a directive that modifies a Netscape Profile Property.-->
<!ELEMENT NsProp  (#PCDATA )>
<!ATTLIST NsProp Act    (C | R | U | D )  "U">
<!--the name of Netscape Profile Property-->
<!ATTLIST NsProp Id   CDATA  #REQUIRED>
<!--the data type of the Netscape Profile Property-->
<!ATTLIST NsProp Type  (NS_STRING | NS_BOOLEAN | NS_INTEGER )   "NS_STRING">
<!ATTLIST NsProp Proc CDATA  #IMPLIED>
```

Appendix B

App. B Page 1

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE XmlRoot SYSTEM "disc.dtd">
<XmlRoot>
        <Discovery>
                <AppList>
                        <AppGroup Id="Netscape" Rop="OR">
                                <App Id="Netscape">
                                        <AppComp Id="Netscape Executable Component" Rop="AND">
                                                <DepReg Id="NETSCAPE_EXE_PATH">
                                                        <Loc>

        <Val>HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\App Paths\Netscape.exe</Val>
                                                        </Loc>
                                                </DepReg>
                                                <DepFile Id="NETSCAPE_EXE_FILE">
                                                        <Loc>
                                                                <Val>
                                                                        <Var>NETSCAPE_EXE_PATH</Var>
                                                                </Val>
                                                        </Loc>
                                                </DepFile>
                                                <DepVer Id="NETSCAPE_EXE_VER">
                                                        <Loc>
                                                                <Val>
                                                                        <Var>NETSCAPE_EXE_PATH</Var>
                                                                </Val>
                                                        </Loc>
                                                </DepVer>
                                        </AppComp>
                                        <NsProfileList>
                                                <NsProfile>
                                                        <NsProp/>
                                                </NsProfile>
                                        </NsProfileList>
                                </App>
                        </AppGroup>
                        <AppGroup Id="Outlook Express" Rop="OR">
                                <App Id="Outlook Express 5">
                                        <AppComp Id="Outlook Express 5" Rop="AND">
                                                <DepReg Id="MSIMN_EXE_PATH">
                                                        <Loc>

        <Val>HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\App Paths\msimn.exe</Val>
                                                        </Loc>
                                                </DepReg>
                                                <DepFile Id="MSIMN_EXE_FILE">
                                                        <Loc>
                                                                <Val>
                                                                        <Var>MSIMN_EXE_PATH</Var>
                                                                </Val>
                                                        </Loc>
                                                </DepFile>
                                                <DepVer Id="MSIMN_EXE_VER">
                                                        <Loc>
                                                                <Val>
                                                                        <Var>MSIMN_EXE_PATH</Var>
                                                                </Val>
                                                                <Comp Cop="GE">
                                                                        <Val>5.0.0.0</Val>
                                                                </Comp>
                                                        </Loc>
                                                </DepVer>
                                        </AppComp>
                                        <Reg>
                                                <RegKey Path="Identities">
                                                        <RegProp/>
                                                        <RegKey>
                                                                <RegProp/>
                                                                <RegKey>
                                                                        <RegProp/>
```

```
                                                <RegKey>
                                                        <RegProp/>
                                                        <RegKey>
                                                                <RegProp/>
                                                                <RegKey>
                                                                        <RegProp/>
                                                                        <RegKey>
                                                                                <RegProp/>
                                                                                <RegKey>

        <RegProp/>

                                                                                </RegKey>
                                                                        </RegKey>
                                                                </RegKey>
                                                        </RegKey>
                                                </RegKey>
                                        </RegKey>
                        </Reg>
                        <Reg>

                                <RegKey Path="Software\Microsoft\Internet Account Manager">
                                        <RegProp/>
                                        <RegKey>
                                                <RegProp/>
                                                <RegKey>
                                                        <RegProp/>
                                                        <RegKey>
                                                                <RegProp/>
                                                                <RegKey>
                                                                        <RegProp/>
                                                                        <RegKey>
                                                                                <RegProp/>
                                                                                <RegKey>

        <RegProp/>

                                                                                </RegKey>
                                                                        </RegKey>
                                                                </RegKey>
                                                        </RegKey>
                                                </RegKey>
                                        </RegKey>
                        </Reg>
                </App>
                <App Id="Outlook Express 4">
                        <AppComp Id="Outlook Express 4" Rop="AND">
                                <DepReg Id="MSIMN_EXE_PATH">
                                        <Loc>

<Val>HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\App Paths\msimn.exe</Val>
                                        </Loc>
                                </DepReg>
                                <DepFile Id="MSIMN_EXE_FILE">
                                        <Loc>
                                                <Val>
                                                        <Var>MSIMN_EXE_PATH</Var>
                                                </Val>
                                        </Loc>
                                </DepFile>
                                <DepVer Id="MSIMN_EXE_VER">
                                        <Loc>
                                                <Val>
                                                        <Var>MSIMN_EXE_PATH</Var>
                                                </Val>
                                                <Comp Cop="LT">
                                                        <Val>5.0.0.0</Val>
```

```
                                        </Comp>
                                        <Comp Cop="GE">
                                                <Val>4.0.0.0</Val>
                                        </Comp>
                                </Loc>
                        </DepVer>
                </AppComp>
                <Reg>
                        <RegKey Path="Software\Microsoft\Internet Account Manager">
                                <RegProp/>
                                <RegKey>
                                        <RegProp/>
                                        <RegKey>
                                                <RegProp/>
                                                <RegKey>
                                                        <RegProp/>
                                                        <RegKey>
                                                                <RegProp/>
                                                                <RegKey>
                                                                        <RegProp/>
                                                                        <RegKey>

<RegProp/>

                                                                        </RegKey>
                                                                </RegKey>
                                                        </RegKey>
                                                </RegKey>
                                        </RegKey>
                                </RegKey>
                        </RegKey>
                </Reg>
        </App>
</AppGroup>
<AppGroup Id="Eudora" Rop="OR">
        <App Id="Eudora Pro 4.0">
                <AppComp Rop="AND">
                        <DepReg Id="EUDORA_EXE_PATH">
                                <Loc>

<Val>HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\App Paths\eudora.exe</Val>
                                </Loc>
                        </DepReg>
                        <DepFile Id="EUDORA_EXE_FILE">
                                <Loc>
                                        <Val>
                                                <Var>EUDORA_EXE_PATH</Var>
                                        </Val>
                                </Loc>
                        </DepFile>
                        <DepVer Id="EUDORA_EXE_VER">
                                <Loc>
                                        <Val>
                                                <Var>EUDORA_EXE_PATH</Var>
                                        </Val>
                                        <Comp Cop="GE">
                                                <Val>4.0.0.0</Val>
                                        </Comp>
                                </Loc>
                        </DepVer>
                </AppComp>
                <IniFile Id="C:\Program Files\Qualcomm\Eudora Mail\Eudora.ini">
                        <IniSection>
                                <IniProp/>
                        </IniSection>
                </IniFile>
        </App>
</AppGroup>
```

```
<AppGroup Id="Pegasus Mail" Rop="OR">
    <App Id="Pegasus Mail 3.1">
        <AppComp Rop="AND">
            <DepReg Id="PMAIL_EXE_PATH">
                <Loc>
                    <Val>HKEY_CURRENT_USER\Software\Pegasus
Mail\Command</Val>
                </Loc>
            </DepReg>
            <DepFile Id="PMAIL_EXE_FILE">
                <Loc>
                    <Val>
                        <Var>PMAIL_EXE_PATH</Var>
                    </Val>
                </Loc>
            </DepFile>
            <DepReg Id="PMAIL_EXE_VER">
                <Loc>
                    <Val>HKEY_CURRENT_USER\Software\Pegasus
Mail\Version</Val>
                </Loc>
            </DepReg>
        </AppComp>
        <IniFile Id="C:\PMAIL\MAIL\PMAIL.INI">
            <IniSection>
                <IniProp/>
            </IniSection>
        </IniFile>
    </App>
</AppGroup>
<AppGroup Id="Outlook" Rop="OR">
    <App Id="Outlook 2000">
        <AppComp Rop="AND">
            <DepReg Id="OUTLOOK_EXE_PATH">
                <Loc>
<Val>HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\App Paths\outlook.exe</Val>
                </Loc>
            </DepReg>
            <DepFile Id="OUTLOOK_EXE_FILE">
                <Loc>
                    <Val>
                        <Var>OUTLOOK_EXE_PATH</Var>
                    </Val>
                </Loc>
            </DepFile>
            <DepVer Id="OUTLOOK_EXE_VER">
                <Loc>
                    <Val>
                        <Var>OUTLOOK_EXE_PATH</Var>
                    </Val>
                    <Comp Cop="GE">
                        <Val>9.0.0.0</Val>
                    </Comp>
                </Loc>
            </DepVer>
        </AppComp>
        <MapiProfileList Id="Microsoft Outlook">
            <MapiProfile>
                <MapiService>
                    <MapiProvider>
                        <MapiProp/>
                    </MapiProvider>
                    <MapiProp/>
                </MapiService>
            </MapiProfile>
        </MapiProfileList>
        <Reg>
            <RegKey Path="Software\Microsoft\Office\Outlook\OMI Account Manager">
                <RegProp/>
```

```
                                        <RegKey>
                                                <RegProp/>
                                                <RegKey>
                                                        <RegProp/>
                                                        <RegKey>
                                                                <RegProp/>
                                                                <RegKey>
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                                                                                <RegKey>
                                                                                        <RegProp/>
                                                                                        <RegKey>
    <RegProp/>

                                                                                        </RegKey>
                                                                                </RegKey>
                                                                        </RegKey>
                                                                </RegKey>
                                                        </RegKey>
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                                        </RegKey>
                                </Reg>
                        </App>
                        <App Id="Outlook 98">
                                <AppComp Rop="AND">
                                        <DepReg Id="OUTLOOK_EXE_PATH">
                                                <Loc>

<Val>HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\App Paths\outlook.exe</Val>
                                                </Loc>
                                        </DepReg>
                                        <DepFile Id="OUTLOOK_EXE_FILE">
                                                <Loc>
                                                        <Val>
                                                                <Var>OUTLOOK_EXE_PATH</Var>
                                                        </Val>
                                                </Loc>
                                        </DepFile>
                                        <DepVer Id="OUTLOOK_EXE_VER">
                                                <Loc>
                                                        <Val>
                                                                <Var>OUTLOOK_EXE_PATH</Var>
                                                        </Val>
                                                        <Comp Cop="LT">
                                                                <Val>9.0.0.0</Val>
                                                        </Comp>
                                                        <Comp Cop="GE">
                                                                <Val>8.5.0.0</Val>
                                                        </Comp>
                                                </Loc>
                                        </DepVer>
                                </AppComp>
                                <Reg>
                                        <RegKey Path="Software\Microsoft\Office\Outlook\OMI Account Manager">
                                                <RegProp/>
                                                <RegKey>
                                                        <RegProp/>
                                                        <RegKey>
                                                                <RegProp/>
                                                                <RegKey>
                                                                        <RegProp/>
                                                                        <RegKey>
                                                                                <RegProp/>
                                                                                <RegKey>
                                                                                        <RegProp/>
                                                                                        <RegKey>
```

```xml
					<RegProp/>
																			</RegKey>
																	</RegKey>
																</RegKey>
															</RegKey>
														</RegKey>
													</RegKey>
												</RegKey>
										</Reg>
						</App>
						<App Id="Outlook 97">
									<AppComp Rop="AND">
												<DepReg Id="OUTLOOK_EXE_PATH">
														<Loc>

			<Val>HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\Windows\CurrentVersion\App Paths\outlook.exe</Val>
														</Loc>
												</DepReg>
												<DepFile Id="OUTLOOK_EXE_FILE">
														<Loc>
																<Val>
																		<Var>OUTLOOK_EXE_PATH</Var>
																</Val>
														</Loc>
												</DepFile>
												<DepVer Id="OUTLOOK_EXE_VER">
														<Loc>
																<Val>
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														</Loc>
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									</AppComp>
									<MapiProfileList>
											<MapiProfile>
													<MapiService>
															<MapiProvider>
																	<MapiProp/>
															</MapiProvider>
															<MapiProp/>
													</MapiService>
											</MapiProfile>
									</MapiProfileList>
						</App>
					</AppGroup>
				</AppList>
			</Discovery>
</XmlRoot>
```

```
<!ELEMENT XmlRoot   (Discovery )?>

<!--This element is a directive that requests enumeration of properties stored
in several different formats.-->
<!--The discovered properties are expressed in standard XML format, which is
the output of the discovery process.-->
<!ELEMENT Discovery  (IniFile | Reg | MapiProfileList | NsProfileList | AppList
)*>

<!--This element is a directive that requests discovery of the contents of a
".INI" file.-->
<!ELEMENT IniFile   (IniSection )*>
<!--Full file path-->
<!ATTLIST IniFile Id CDATA  #REQUIRED>

<!--This element is a directive that requests enumeration of the sections in a
".INI" file.-->
<!ELEMENT IniSection   (IniProp )*>

<!--This element is a directive that requests enumeration of the properties in
an ".INI" file section.-->
<!ELEMENT IniProp   (#PCDATA )>

<!--This element is a directive that requests discovery of the contents of the
Windows Registry.-->
<!ELEMENT Reg   (RegKey | RegProp )*>
<!--Windows Registry root key name-->
<!ATTLIST Reg Root   (HKEY_CURRENT_USER |
                      HKEY_LOCAL_MACHINE |
                      HKEY_CLASSES_ROOT |
                      HKEY_USERS |
                      HKEY_CURRENT_CONFIG )   "HKEY_CURRENT_USER">
<!--relational operator-->
<!ATTLIST Reg Rop    (AND | OR | ALL )   "ALL">

<!--This element is a directive that requests enumeration of the Registry Keys
in a Registry Key or the Windows Registry.-->
<!ELEMENT RegKey   (RegKey | RegProp )*>
<!--Path of top-level Registry key in which to discover Registry Keys and
Registry Properties.-->
<!ATTLIST RegKey Path CDATA  #IMPLIED>
<!--relational operator-->
<!ATTLIST RegKey Rop    (AND | OR | ALL )   "ALL">

<!--This element is a directive that requests enumeration of all Registry
Properties in a Registry Key or the Windows Registry.-->
<!ELEMENT RegProp   (#PCDATA | Value )*>

<!--used by the OUTPUT schema only-->
<!ELEMENT Value   (#PCDATA )>

<!--This element is a directive that requests discovery of the contents of the
Windows Messaging Subsystem (MAPI).-->
<!ELEMENT MapiProfileList   (MapiProfile )*>
<!--specifes OUTLOOK MAPI ["Microsoft Outlook"] or SYSTEM MAPI [""] will be
used to initialize MAPI-->
<!ATTLIST MapiProfileList Id   CDATA   #IMPLIED>
```

```
<!--relational operator-->
<!ATTLIST MapiProfileList Rop   (AND | OR | ALL )   "ALL">


<!--This element is a directive that requests discovery of the Windows
Messaging Profiles in the Windows Messaging Subsystem (MAPI).-->
<!ELEMENT MapiProfile   (MapiService | MapiSection )*>
<!--relational operator-->
<!ATTLIST MapiProfile Rop  (AND | OR | ALL )   "ALL">


<!--This element is a directive that requests discovery of the Windows
Messaging Services in a Windows Messaging Profile.-->
<!ELEMENT MapiService   (MapiProvider | MapiProp )*>
<!--relational operator-->
<!ATTLIST MapiService Rop  (AND | OR | ALL )   "ALL">


<!--This element is a directive that requests discovery of the Windows
Messaging Providers in a Windows Messaging Service.-->
<!ELEMENT MapiProvider   (MapiProp )*>
<!--relational operator-->
<!ATTLIST MapiProvider Rop  (AND | OR | ALL )   "ALL">


<!--This element is a directive that requests discovery of the Windows
Messaging Sections in a Windows Messaging Profile.-->
<!ELEMENT MapiSection   (MapiProp )*>
<!--relational operator-->
<!ATTLIST MapiSection Rop   (AND | OR | ALL )   "ALL">


<!--This element is a directive that requests discovery of the Windows
Messaging Properties in a Windows Messaging Section, Windows Messaging Service
or Windows Messaging Provider.-->
<!ELEMENT MapiProp   (#PCDATA | Value )*>


<!--This element is a directive that requests discovery of the contents of a
Netscape Profile List.-->
<!ELEMENT NsProfileList   (NsProfile* )>
<!--whether or not Netscape Profile List enumeration should include Netscape
Profiles found in Netscape Registry File ["True"] or in the Windows Registry
["False"]).-->
<!ATTLIST NsProfileList File     CDATA       "True">
<!--relational operator-->
<!ATTLIST NsProfileList Rop        (AND | OR | ALL )   "ALL">
<!ATTLIST NsProfileList a-dtype NMTOKENS   "File boolean">


<!--This element is a directive that requests discovery of the Netscape
Profiles in a Netscape Profile List.-->
<!ELEMENT NsProfile   (NsProp )*>
<!--relational operator-->
<!ATTLIST NsProfile Rop  (AND | OR | ALL )   "ALL">


<!--This element is a directive that requests discovery of the Netscape
Properties in a Netscape Profile.-->
<!ELEMENT NsProp   (#PCDATA )>


<!--This element is a directive that requests discovery of a list of specific
application groups.-->
<!ELEMENT AppList   (AppGroup )*>
<!--relational operator-->
```

```
<!ATTLIST AppList Rop   (AND | OR | ALL )  "ALL">

<!--This element is a directive that requests discovery of a group of specific
applications.-->
<!ELEMENT AppGroup  (App )*>
<!--Arbitrary name that identifies the type of application expressed in this
application list.-->
<!ATTLIST AppGroup Id  CDATA  #IMPLIED>
<!--relational operator-->
<!ATTLIST AppGroup Rop  (AND | OR | ALL )  "OR">

<!--This element is a directive that requests discovery of specified required
components of an application.-->
<!ELEMENT AppComp  (DepReg | DepFile | DepVer )+>
<!--Arbitrary name that identifies the type of application expressed in this
application list.-->
<!ATTLIST AppComp Id  CDATA  #IMPLIED>
<!--relational operator-->
<!ATTLIST AppComp Rop  (AND | OR | ALL )  "AND">

<!--This element is a directive that requests discovery of a specific
application.-->
<!ELEMENT App  (AppComp* ,  (NsProfileList | MapiProfileList | IniFile | Reg )*
)*>
<!--Arbitrary name that identifies this application.-->
<!ATTLIST App Id  CDATA  #IMPLIED>
<!--relational operator-->
<!ATTLIST App Rop  (AND | OR | ALL )  "AND">

<!--This element is a directive that requests discovery of a Windows Registry
dependency of an application.-->
<!ELEMENT DepReg  (Loc )+>
<!--name of a variable that holds the dependency data.-->
<!ATTLIST DepReg  Id CDATA  #IMPLIED >

<!--This element is a directive that requests discovery of a file dependency of
an application.-->
<!ELEMENT DepFile  (Loc )+>
<!--name of a variable that holds the dependency data.-->
<!ATTLIST DepFile  Id CDATA  #IMPLIED >

<!--This element is a directive that requests discovery of a version dependency
of an application.-->
<!ELEMENT DepVer  (Loc )+>
<!--name of a variable that holds the dependency data.-->
<!ATTLIST DepVer  Id CDATA  #IMPLIED >

<!--This element specifies the location of the the dependency data.-->
<!ELEMENT Loc  (Val , Comp* )>
<!--relational operator-->
<!ATTLIST Loc Rop  (AND | OR | ALL )  "AND">

<!--This element is a directive that requests comparison of a Val with child
Vals.-->
<!ELEMENT Comp  (Val )>
<!--comparison operator-->
<!ATTLIST Comp Cop  (GT | LT | GE | LE | EQ | NE )  "EQ">
```

```
<!--This element represents a value.-->
<!ELEMENT Val  (#PCDATA | Val | Var | Fn )*>

<!--This element represents the data contained in a variable.-->
<!ELEMENT Var  (#PCDATA )>

<!--This element represents a function.-->
<!ELEMENT Fn  (#PCDATA | Val | Var | Fn )*>
<!--the function's identifier (Example: 'STRIP': a function that strips off a
trailing "\").-->
<!ATTLIST Fn  Id  (STRIP )  'STRIP' >
```